PATENT COOPERATION TREATY

PCT

TRANSLATION INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference A2003/01618	FOR FURTHER ACTION	See Form PCT/IPEA/416				
International application No.	International filing date (day/month/	vear) Priority date (day/month/year)				
PCT/AT2004/000341	06.10.2004	14.10.2003				
International Patent Classification (IPC) or national classification and IPC						
C25B1/04, C25B9/06						
Applicant Department Home Debara						
BIERBAUMER, Hans-Peter						
	 This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36. 					
2. This REPORT consists of a total of	2. This REPORT consists of a total of 4 sheets, including this cover sheet.					
3. This report is also accompanied by A	3. This report is also accompanied by ANNEXES, comprising:					
a. (sent to the applicant an	a. (sent to the applicant and to the International Bureau) a total of sheets, as follows:					
sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or						
Instructions).	sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).					
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental						
Box.						
b. (sent to the International	l Bureau only) a total of (indicate type a	nd number of electronic carrier(s))				
valeted therete in comput	, containing a sequence listing and/or tables					
related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).						
4. This report contains indications rela	ting to the following items:					
Box No. I Basis of th	Box No. I Basis of the report					
Box No. II Priority	Box No. II Priority					
Box No. III Non-estab	lishment of opinion with regard to nove	lty, inventive step and industrial applicability				
Box No. IV Lack of ur	Box No. IV Lack of unity of invention					
BON 110. 1	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
Box No. VI Certain do	Certain documents cited					
Box No. VII Certain de	fects in the international application					
Box No. VIII Certain ob	Box No. VIII Certain observations on the international application					
Date of submission of the demand	Date of compl	etion of this report				
		-				
Name and mailing address of the IPEA/EP	Authorized of	Authorized officer				
Facsimile No.	Telephone No	Telephone No.				

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/AT2004/000341

Box	No. I	I Basis of the report		
1.		th regard to the language, this report is based on the internation icated under this item.	onal application in the language in	which it was filed, unless otherwise
		This report is based on translations from the original langua which is the language of a translation furnished for the purportion international search (Rule 12.3 and 23.1(b)) publication of the international application (Rule 12.4 international preliminary examination (Rule 55.2 and	ooses of:	·
2.	rece	th regard to the elements of the international application, this eiving Office in response to an invitation under Article 14 as report): the international application as originally filed/furnished the description:		
		pages <u>3-17</u>		as originally filed/furnished
		pages* 1,2,2a	_	
		pages*	received by this Authority on	
	\boxtimes	the claims:		
		nos.		as originally filed/furnished
		nos.*	as amended (togethe	r with any statement) under Article 19
		nos.* <u>1-33</u>	received by this Authority on	/filed with the demand
		nos.*	received by this Authority on	
	\boxtimes	the drawings:		
		sheets 1/6-6/6		as originally filed/furnished
		sheets*	received by this Authority on	
		sheets*	received by this Authority on	
		a sequence listing and/or any related table(s) – see Supplen	nental Box Relating to Sequence L	isting.
3.		The amendments have resulted in the cancellation of:		
		the description, pages		
		the claims, nos.		
		the description of the state of		
		the sequence listing (specify):		
4.		This report has been established as if (some of) the amend they have been considered to go beyond the disclosure as fi	dments annexed to this report and	listed below had not been made, since
		the description, pages		·
		the claims, nos.		
		the drawings, sheets/figs		
		the sequence listing (specify):		
		any table(s) related to sequence listing (specify):		
*	If ite	em 4 applies, some or all of those sheets may be marked "sup	erseded."	

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Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
YES				
NO				
YES				
NO				
YES				
NO				

2. Citations and explanations (Rule 70.7)

Reference is made to the following documents:

D1 WO 03/066935 A

D2 WO 00/66811 A

Document D1 (fig. 1) discloses a device and a method for converting energy, said device comprising a gas generator for producing Brown's gas, and a rotationally symmetrical reaction chamber in which are disposed electrodes, which at least in sections form the inner delimitation surfaces of the reaction chamber and between which an electrical field is applied that is directed perpendicularly to the axis of the reaction chamber. The gas generator does not, however, have a rotor in the reaction chamber and nor is the water made to rotate about the axis of the reaction chamber. The subject matter of claims 1 and 22 is thus novel (PCT Article 33(2)).

The available prior art neither discloses nor suggests a rotating flow in a Brown's gas generator. The rotation of the water favours the

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Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
formation of Brown's gas and increases efficiency.
The subject matter of claims 1 and 22 thus
involves an inventive step (PCT Article 33(3)).
Dependent claims 2-21 and 23-33 concern preferred
embodiments of the inventions as per claim 1 and
claim 22. The subject matter of those claims is
therefore also novel (PCT Article 33(2)) and
inventive (PCT Article 33(3)). The claimed
invention is clearly industrially applicable.